

October 4, 1952

Dear Dr. Kauffmann:

In response to your recent letter I have just mailed you the following cultures, as labelled:

SW-520 Diagnosed at Chamblee as IX, XII, i---. It was produced from *Salmonella typhi* Watsán (received from you in October 1946) with *S. typhimurium* FA in soft agar + d-antiserum.

The remaining two types have not yet been completely diagnosed as yet, but are sent in anticipation that they will be of some interest.

SW-662 from *S. paratyphi* B (O form #248 as received from you recently) X *S. dublin*. Unless another phase is hidden in #248, this is predicted to be I IV V XII gp

SW-670 from *S. typhi* H901 X *S. abony*. This is predicted to be IX XII b-- or possibly IX XII b-enx

These types are being studied in further detail now, but I would be obliged to you for any comment on their serotypic behavior. Biochemically, SW-520 and -670 should correspond to *S. typhi*, and SW-662 to paratyphi B.

A number of other serotypes have been reconstructed, or arecin process, I am aware of the nomenclatural problems that these hybrids may engender. I trust that it will not be necessary to give them specific binomials for the present, although this should be perhaps considered by the International Salmonella Subcommittee.

Yours sincerely,

Joshua Lederberg